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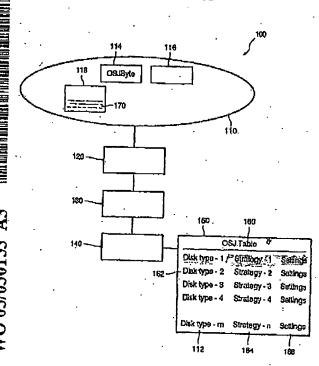
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(54) Title: METHOD AND RECORDING DEVICE FOR SELECTING AN OPTIMIZED WRITE STRATEGY AND RECORD-ING MEDIUM FOR USB BY THE METHOD



(57) Abstract: The invention relates to a method and recording device for selecting an optimal write strategy for a specific type of optical recording disk. Such an optimal write strategy is selected even when the optical recording disk is of a type that has not been previously encountered or when the optical recording disk is otherwise unrecognized by an optical disk drive. The optimal write strategy and associated settings are selected from a set of write strategies stored in a disk drive. The disk drive bases its selection of the write strategy on the performance results of test writings conducted on the optical disk. The method entails testing the write strategies first at the maximum possible write speed and if necessary, at successively lower speeds until a write strategy that achieves a minimum acceptable write quality is identified or until the minimum write speed is reached. The selected optimal write strategy may be stored in the recording device or, alternatively, on the optical recording disk heelf.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPOR	T tational Application No
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## INTERNATIONAL SEARCH REPORT

mational application No. PCT/IB 02/03850

BoxI	Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)
This into	rmational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1 🔲	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. 🗌	Cialms Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carded out, specifically:
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3. 🗀	Claims Nos.;
·; •	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
Titis ințe	rnational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1.	As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
لاارع	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
<b>3.</b> [ ]	As only some of the required additional search fees were timely paid by the applicant, this international Search Report
<u> </u>	covers only those claims for which fees were paid, specifically claims Nos.:
4. X	No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is
	restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-9, 13-16 dependent on 8 or 9
Remark	on Protest  The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (1)) (July 1998)

International Application No. PCT/18 92/93859

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 216

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-9, 13-16 dependent on 8 or 9

Method of selecting a write strategy from a set of write strategies by recording a test pattern using all the write strategies, in which at least two distinguishable sets of settings are applied for each write strategy.

2. Claims: 10-12, 13-16 dependent on 10-12

Method of selecting a write strategy from a set of write strategies by recording a test pattern at a first write speed, characterised in that the test is repeated at a lower write speed if none of the results of the first test achieve a minimum acceptable write quality.

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